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Application No. 10/038,739

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A fiberglass binder, comprising an aqueous solution of
 - a) a polycarboxy polymer having a number average molecular weight of 5,000 or less, and
 - b) a polyol

with the amount of polycarboxy polymer and polyol in the binder being such that the ratio of equivalents of hydroxyl groups to equivalents of carboxy groups is in the range of from 0.6/1 to 0.8/1, and with the viscosity of the binder solution, at 25°C and 40% solids, ranging from about 20 cP to about 100 cP.

Claims 2-4 (Cancelled)

5. (Original) The fiberglass binder of claim 1, wherein the molecular weight of the fiberglass binder is about 3000 or less.

Claim 6 (Cancelled)

7. (Previously Presented) The fiberglass binder of claim 1, wherein the polyol is triethanolamine.

8. (Original) The fiberglass binder of claim 1, wherein the polycarboxy polymer

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comprises a homopolymer or copolymer of polyacrylic acid.

Claim 9 (Cancelled)

10. (Original) The fiberglass binder of claim 1, wherein the ratio is in the range of from about 0.6/1 to about 0.75/1.

11. (Original) The fiberglass binder of claim 1, wherein the ratio of equivalents of hydroxyl group to equivalents of carboxy group is in the range of from about 0.65/1 to about 0.75/1.

12. (Amended) A fiberglass binder, comprising an aqueous solution of a polycarboxy polymer which comprises a homopolymer or copolymer of polyacrylic acid, and with the number average molecular weight of the polyacrylic acid being about 5000 or less,

triethanolamine, and

a catalyst comprised of sodium hypophosphite, sodium phosphite, or mixtures thereof,

with the amount of the polyacrylic acid and triethanolamine being such that the ratio of hydroxyl group to carboxyl group equivalents is in the range of from about 0.65/1 to 0.75/1, and with the binder solution having a viscosity, at 25°C and 40% solids, ranging from about 20 cP to about 100 cP.

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13. (Previously Presented) The fiberglass binder of claim 12, wherein the molecular weight of the polycarboxy polymer is about 3000 or less.
14. (Previously Presented) The fiberglass binder of claim 12, wherein the molecular weight of the polycarboxy polymer is about 2000.
15. (Previously Presented) A fiberglass product comprising a mat of glass fibers containing the binder of claim 1.
16. (Previously Presented) A fiberglass product comprising a mat of glass fibers containing the binder of claim 12.
17. (Previously Presented) The fiberglass product of claim 15, wherein the product is building insulation.
18. (Previously Presented) The fiberglass product of claim 15, wherein the building insulation is insulation for the roof.
19. (Previously Presented) The fiberglass product of claim 16, wherein the product is building insulation.
20. (Previously Presented) A process for making a fiberglass fiber mat using a binder, with the binder comprising the fiberglass binder of claim 1.